

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY**

**HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE FOR CALENDAR YEAR - 2003**

SERIOUS INCIDENTS*					
Mode / Cause	Incidents	Major Injuries	Minor Injuries	Deaths	Damages
Air					
Human Error	12	0	0	0	1,715
Package Failure	1	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	13	0	0	0	1,715
Highway					
Human Error	151	8	1	1	1,647,122
Package Failure	67	2	3	0	598,942
Vehicular Accident/Derailment	145	5	5	6	22,010,134
Other	10	1	0	0	924,892

SUBTOTAL:	373	16	9	7	25,181,090
Railway					
Human Error	24	0	1	0	450,890
Package Failure	18	1	0	0	206,397
Vehicular Accident/Derailment	19	0	0	0	2,345,071
Other	1	0	0	0	16,402

SUBTOTAL:	62	1	1	0	3,018,760
Water					
Human Error	1	0	0	0	64,900
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	1	0	0	0	64,900
Other					
Human Error	0	0	0	0	0
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0

SUBTOTAL:	0	0	0	0	0

Total - 2003:	449	17	10	7	28,266,465

Note: Due to multiple causes being involved in a single incident, the total above may not correspond to the total in the other reports.

* RSPA revised the definition of a serious incident in 2002. This report uses the current definition:

- a fatality or major injury caused by the release of a hazardous material,
- the evacuation of 25 or more persons as a result of release of a hazardous material or exposure to fire,
- a release or exposure to fire which results in the closure of a major transportation artery,
- the alteration of an aircraft flight plan or operation,
- the release of radioactive materials from Type B packaging,
- the release of over 11.9 gallons or 88.2 pounds of a severe marine pollutant, or
- the release of a bulk quantity (over 119 gallons or 882 pounds) of a hazardous material.